

Title (en)
ODOR CONTROL PRODUCT PACKAGE AND METHOD OF FORMING THE SAME

Title (de)
PRODUKTVERPACKUNG MIT GERUCHSBEKÄMPFUNG UND VERFAHREN ZUR FORMUNG DAVON

Title (fr)
EMBALLAGE DE CONTRÔLE DES ODEURS ET SON PROCÉDÉ DE FORMAGE

Publication
EP 3359470 A4 20190515 (EN)

Application
EP 16854318 A 20161006

Priority
• US 201562237918 P 20151006
• US 2016055740 W 20161006

Abstract (en)
[origin: US2017095586A1] A hybrid packet containing deodorizing chemicals can dissolve to release the chemicals in a brine solution while still being formed using high speed packet forming machinery. A hybrid packet can be formed by feeding a sheet of dissolvable paper and a film of PVA material into the packet forming machine to form a hybrid packet having one side formed of the paper and the opposing side formed of the PVA material. The PVA sheet and paper panels are fused together by the machine to form a sealed interior compartment that holds the deodorizing chemicals. A serrated knife edge can be used to pierce the paper and PVA layers to separate individual packets. Reduced water volume in the forming operation avoids compromising the dissolvable paper portion of the hybrid packet. The packet contents can include citric acid and sodium bicarbonate.

IPC 8 full level
B65D 85/804 (2006.01); **A61L 9/05** (2006.01); **C11D 17/04** (2006.01)

CPC (source: EP US)
A61L 9/012 (2013.01 - US); **B65B 3/02** (2013.01 - US); **B65B 3/04** (2013.01 - US); **B65B 9/023** (2013.01 - EP US); **B65B 9/20** (2013.01 - US); **B65B 41/10** (2013.01 - US); **B65B 47/02** (2013.01 - US); **B65B 51/16** (2013.01 - EP US); **B65B 61/06** (2013.01 - US); **B65B 61/08** (2013.01 - EP US); **B65D 65/46** (2013.01 - US); **B65D 75/30** (2013.01 - US); **B65D 75/42** (2013.01 - US); **B65D 75/527** (2013.01 - US)

Citation (search report)
• [A] US 3724002 A 19730403 - BUCK F
• [A] EP 2179748 A1 20100428 - PROCTER & GAMBLE [US]
• [A] WO 2008100993 A1 20080821 - BRISTOL MYERS SQUIBB CO [US], et al
• [A] US 2002187119 A1 20021212 - GREER WILLIAM R [US], et al
• [A] JP 2003049396 A 20030221 - TOAGOSEI CO LTD
• See references of WO 2017062616A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10251966 B2 20190409; US 2017095586 A1 20170406; CA 3001218 A1 20170413; CA 3001218 C 20230808; EP 3359470 A1 20180815; EP 3359470 A4 20190515; EP 3359470 B1 20200729; PL 3359470 T3 20210125; US 11033649 B2 20210615; US 2019231914 A1 20190801; WO 2017062616 A1 20170413; ZA 201802425 B 20181219

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